



Fig. 1

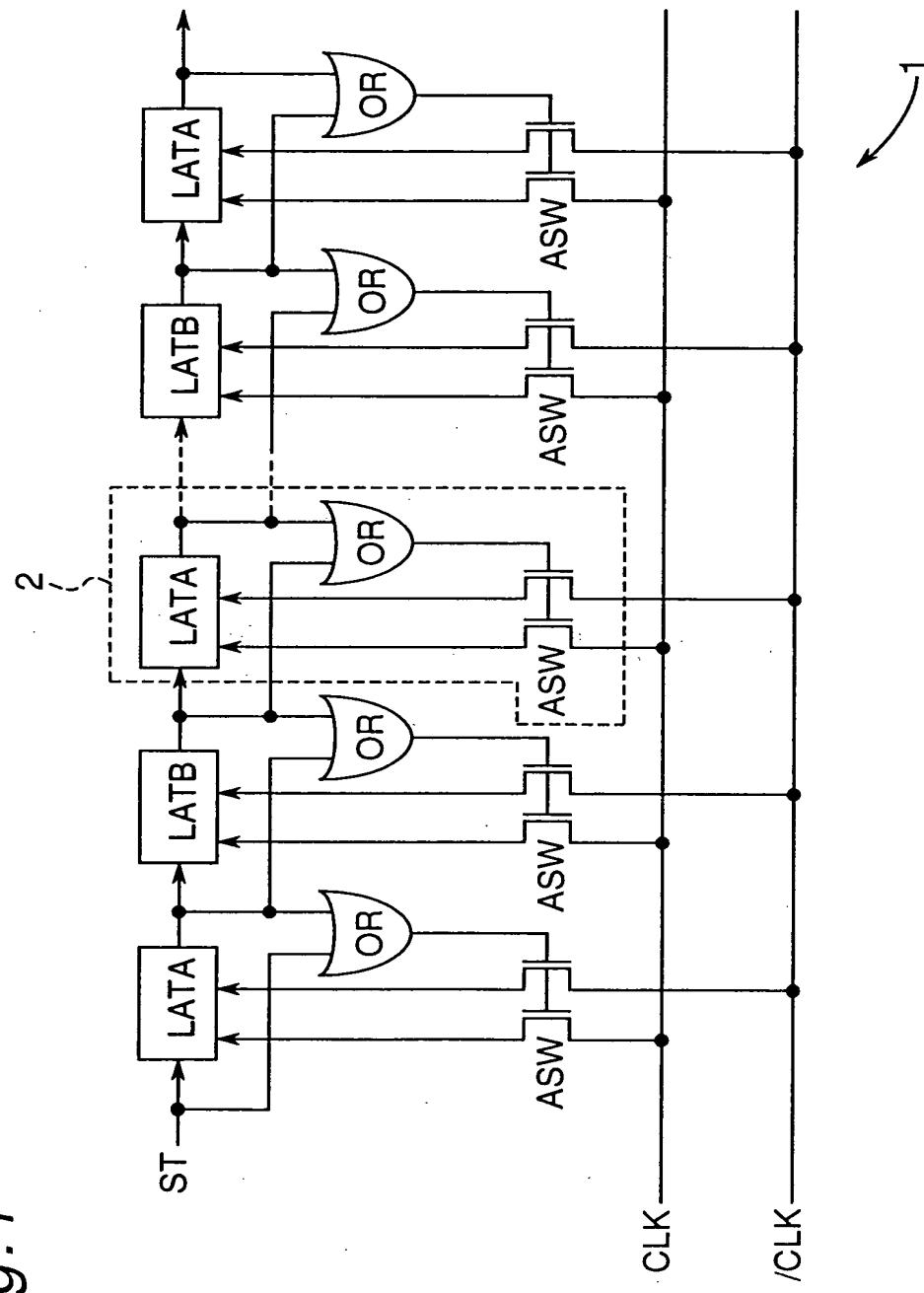




Fig.2A RELATED ART

VCC

Fig.2B RELATED ART

CLK

Fig.2C RELATED ART

CLKint

INITIALIZATION PERIOD

NORMAL OPERATION PERIOD

Fig.3A RELATED ART

VCC

Fig.3B RELATED ART

CLK

Fig.3C RELATED ART

CLKint

INITIALIZATION PERIOD

NORMAL OPERATION PERIOD



Fig. 4A



Fig. 4B



NORMAL OPERATION PERIOD

NORMAL OPERATION PERIOD

INITIALIZATION PERIOD

Fig. 5A



Fig. 5B



Eig. 5D



INITIALIZATION PERIOD

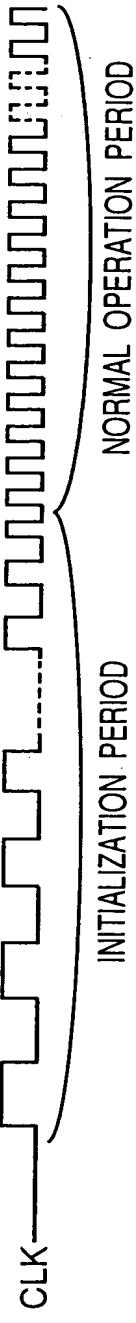
NORMAI OPERATION PERIOD



Fig. 6A



Fig. 6B



INITIALIZATION PERIOD

NORMAL OPERATION PERIOD

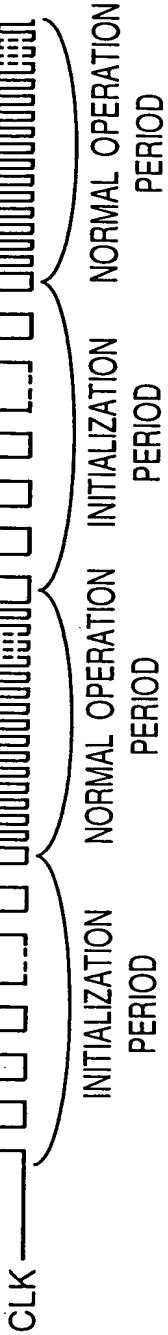
Fig. 7A



Fig. 7B



Fig. 7C



INITIALIZATION PERIOD

NORMAL OPERATION PERIOD

INITIALIZATION PERIOD

NORMAL OPERATION PERIOD



Fig.8

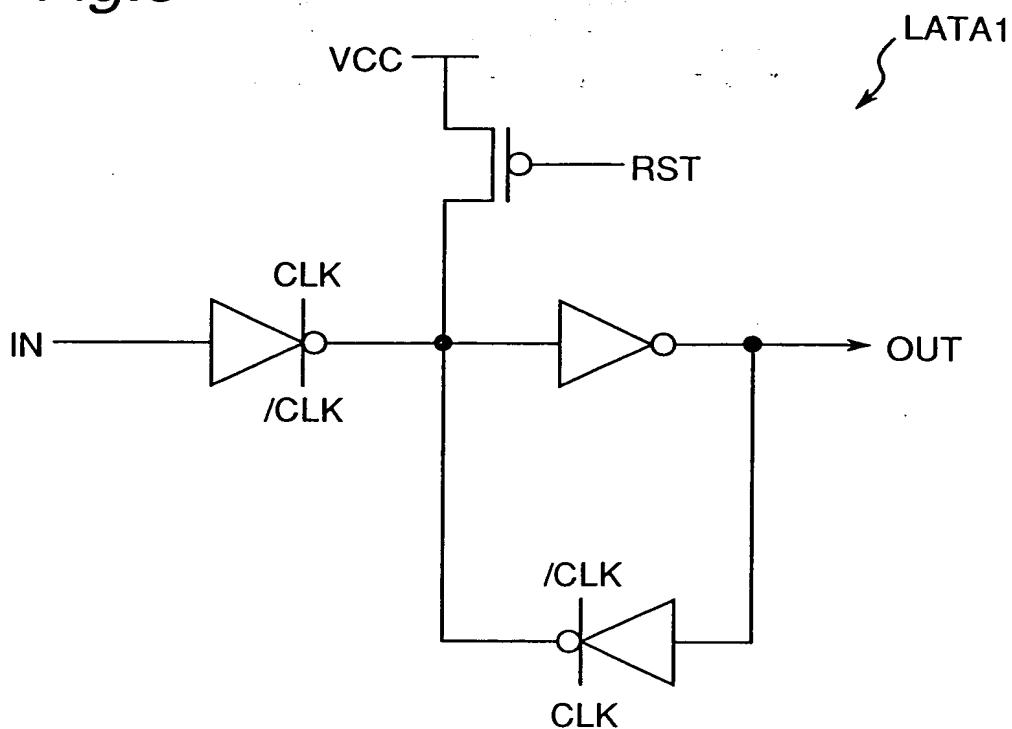


Fig.9

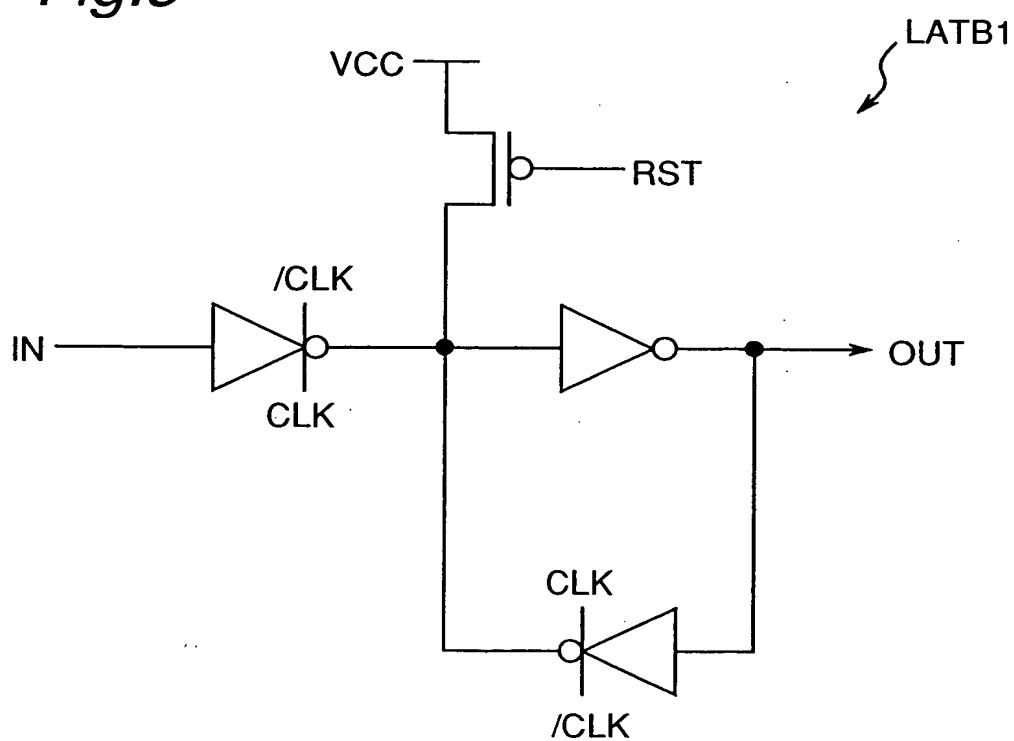




Fig. 10A

VCC

Fig. 10B

RST

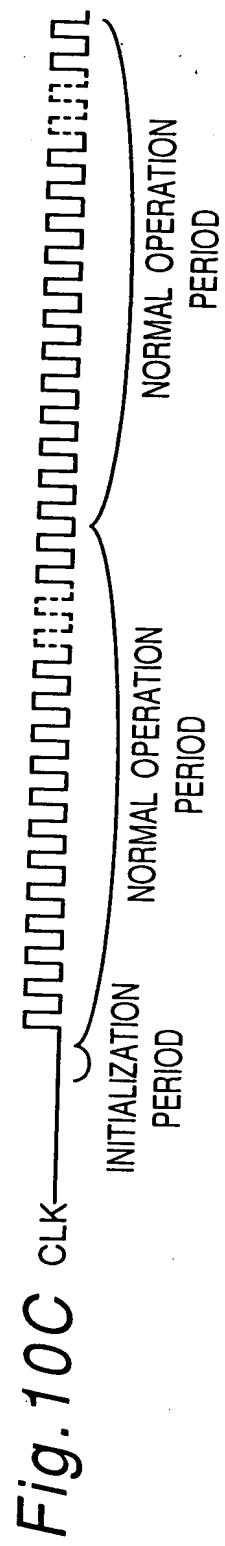


Fig. 11A

PLS

Fig. 11B

RST

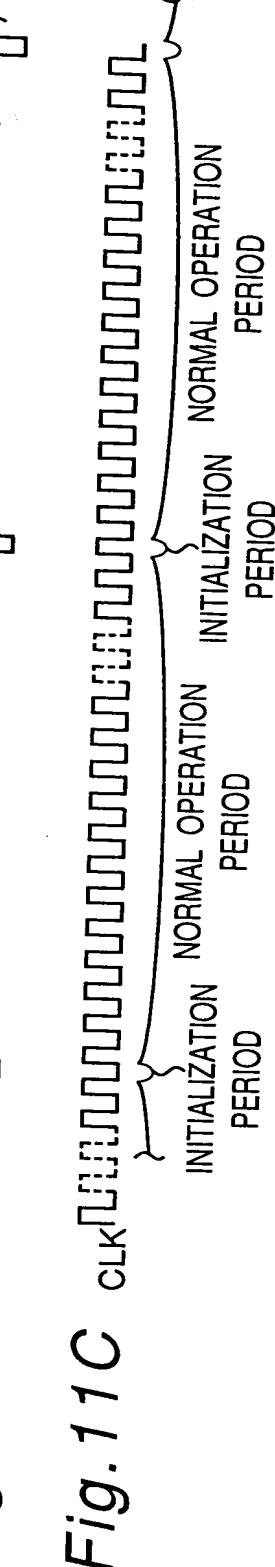




Fig.12

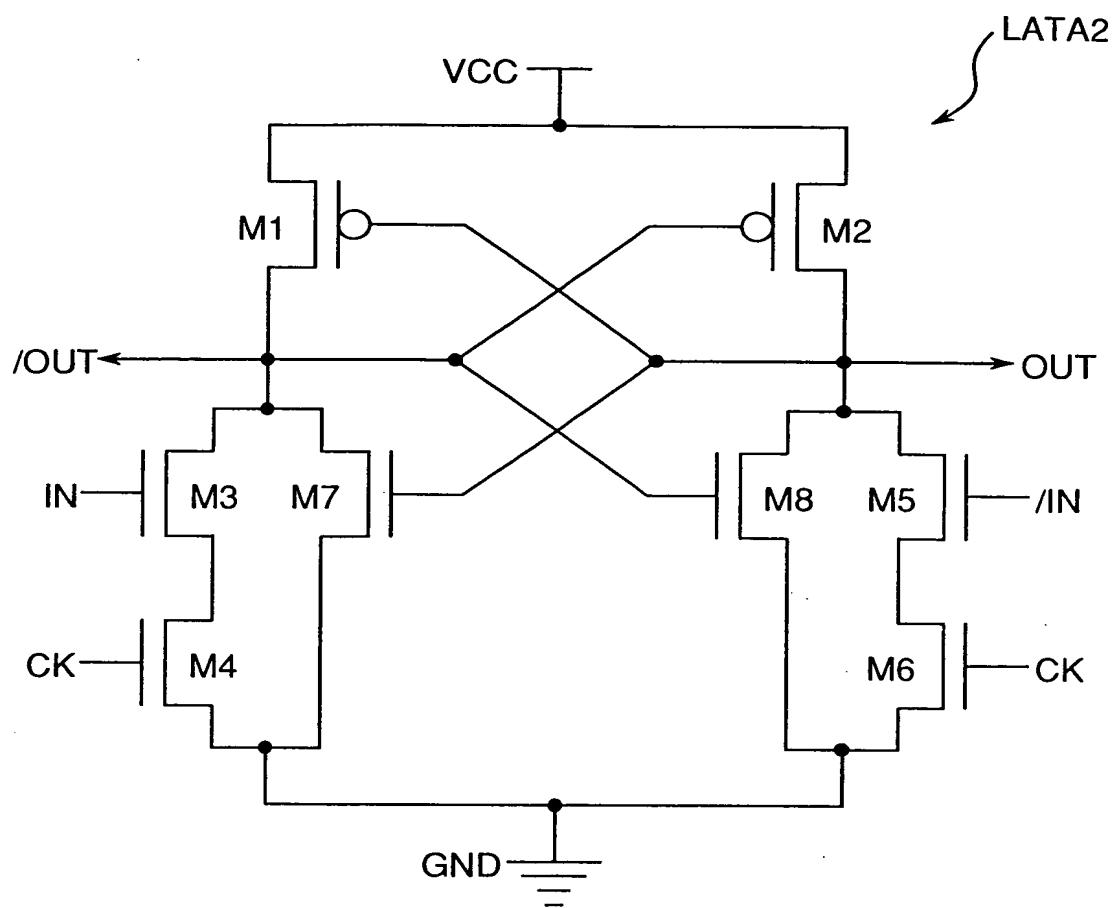




Fig. 13

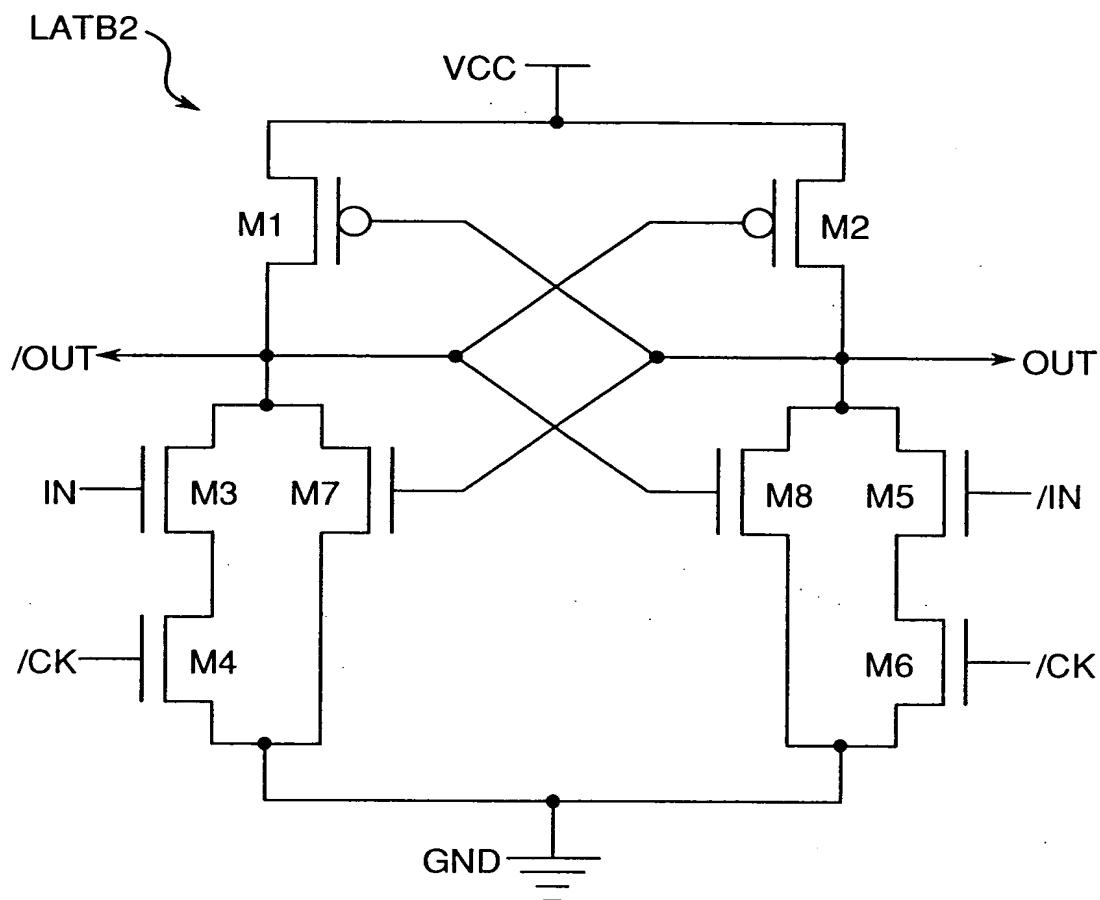




Fig. 14

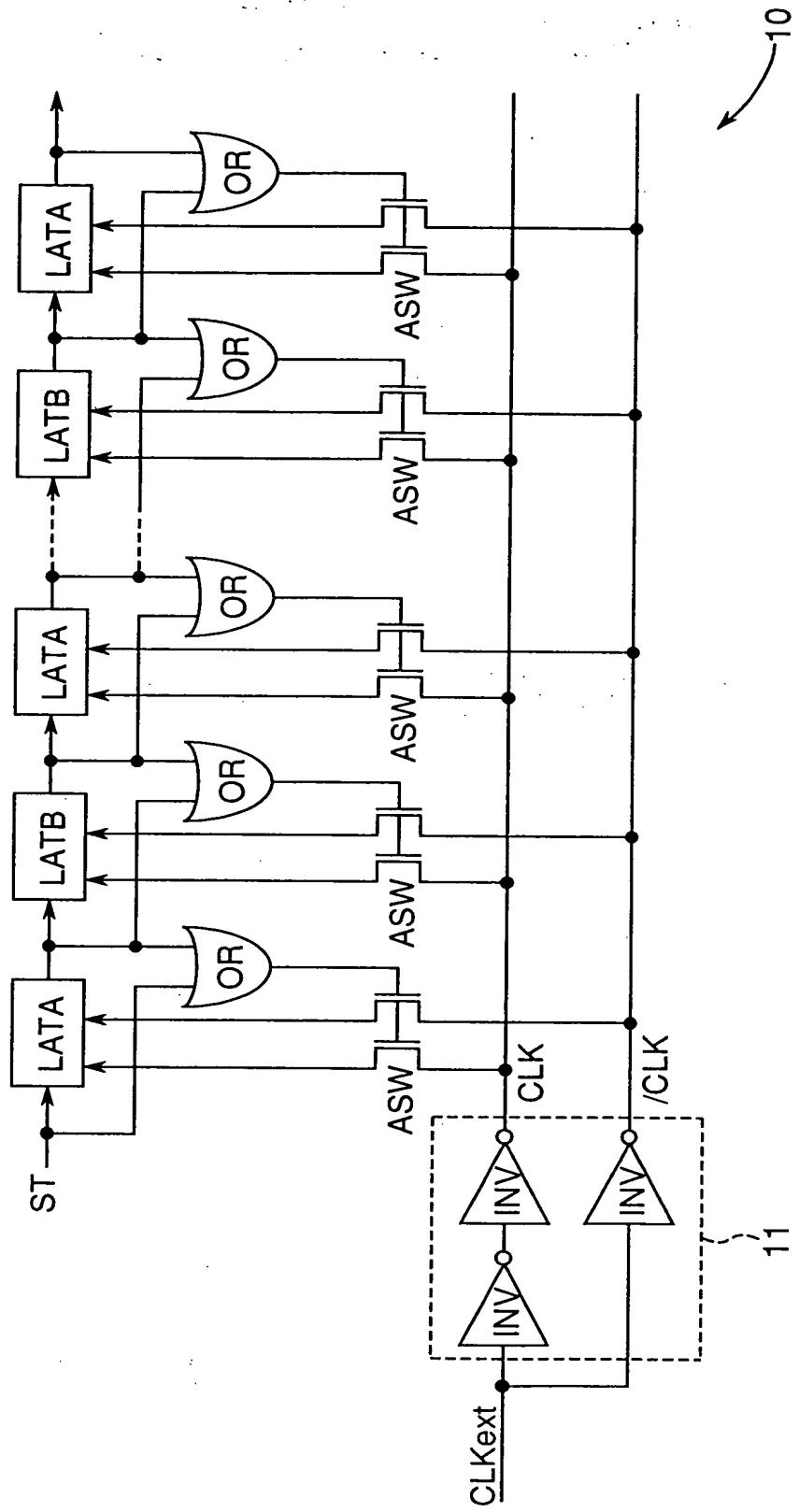




Fig. 15

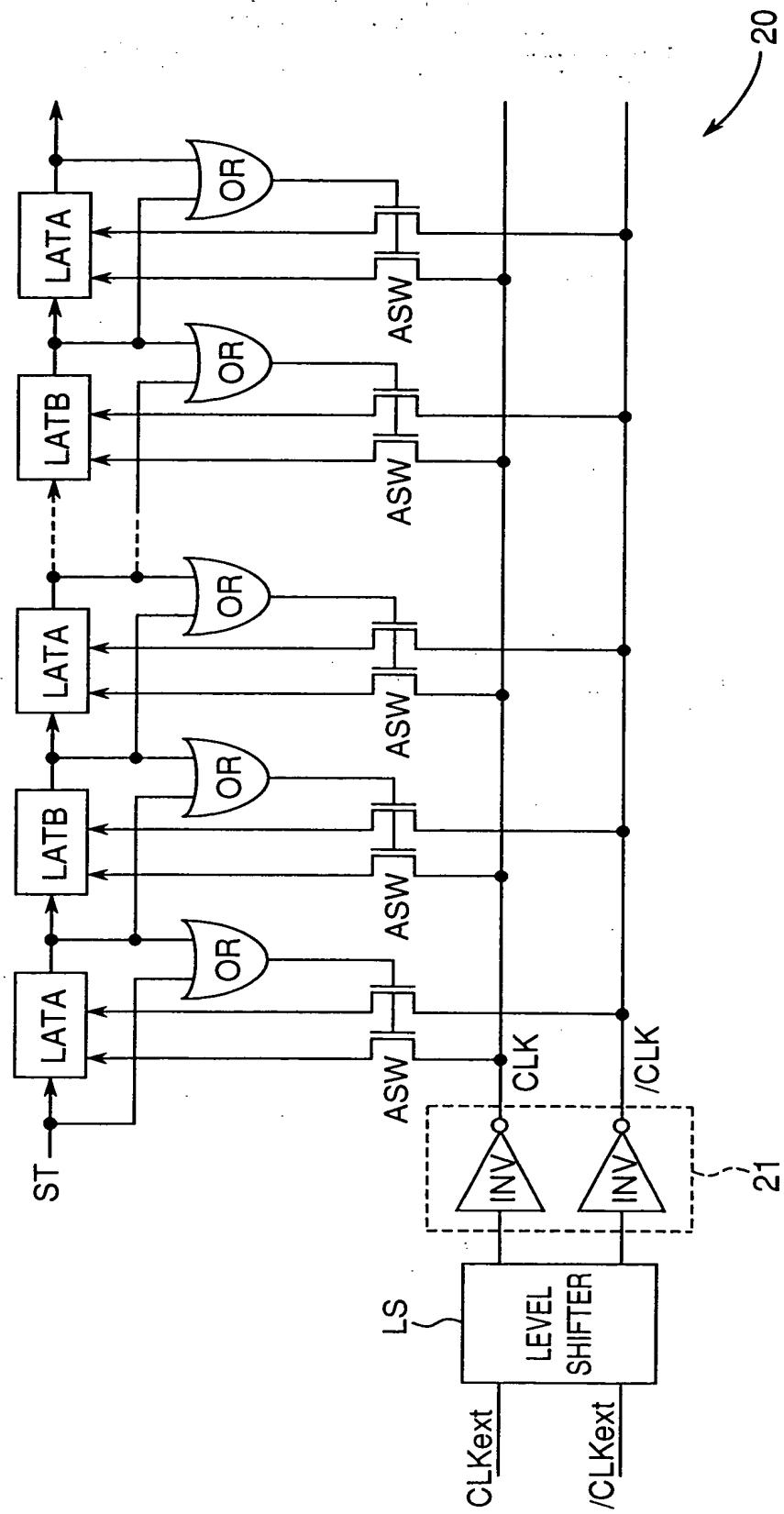




Fig. 16A

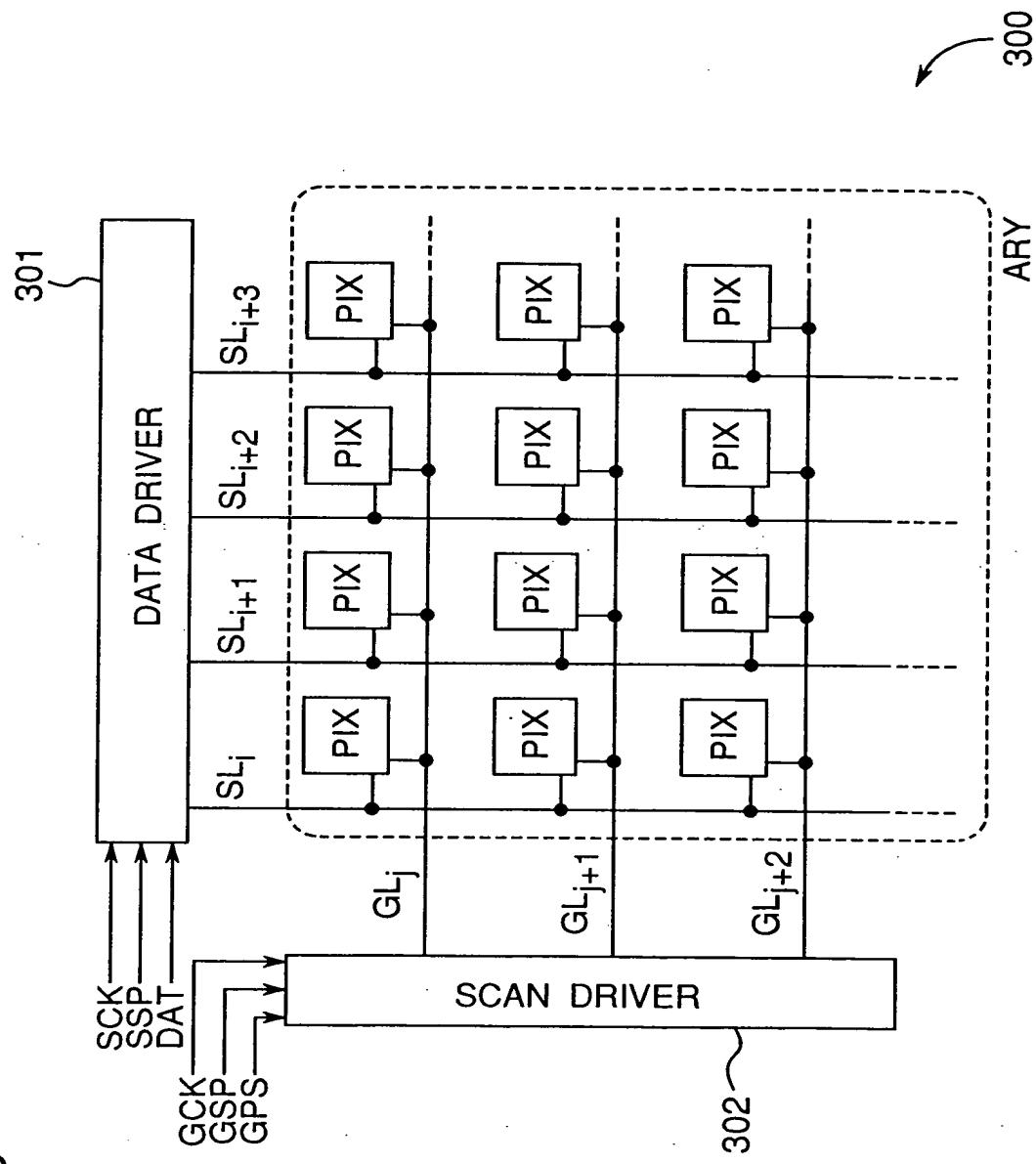




Fig. 16B

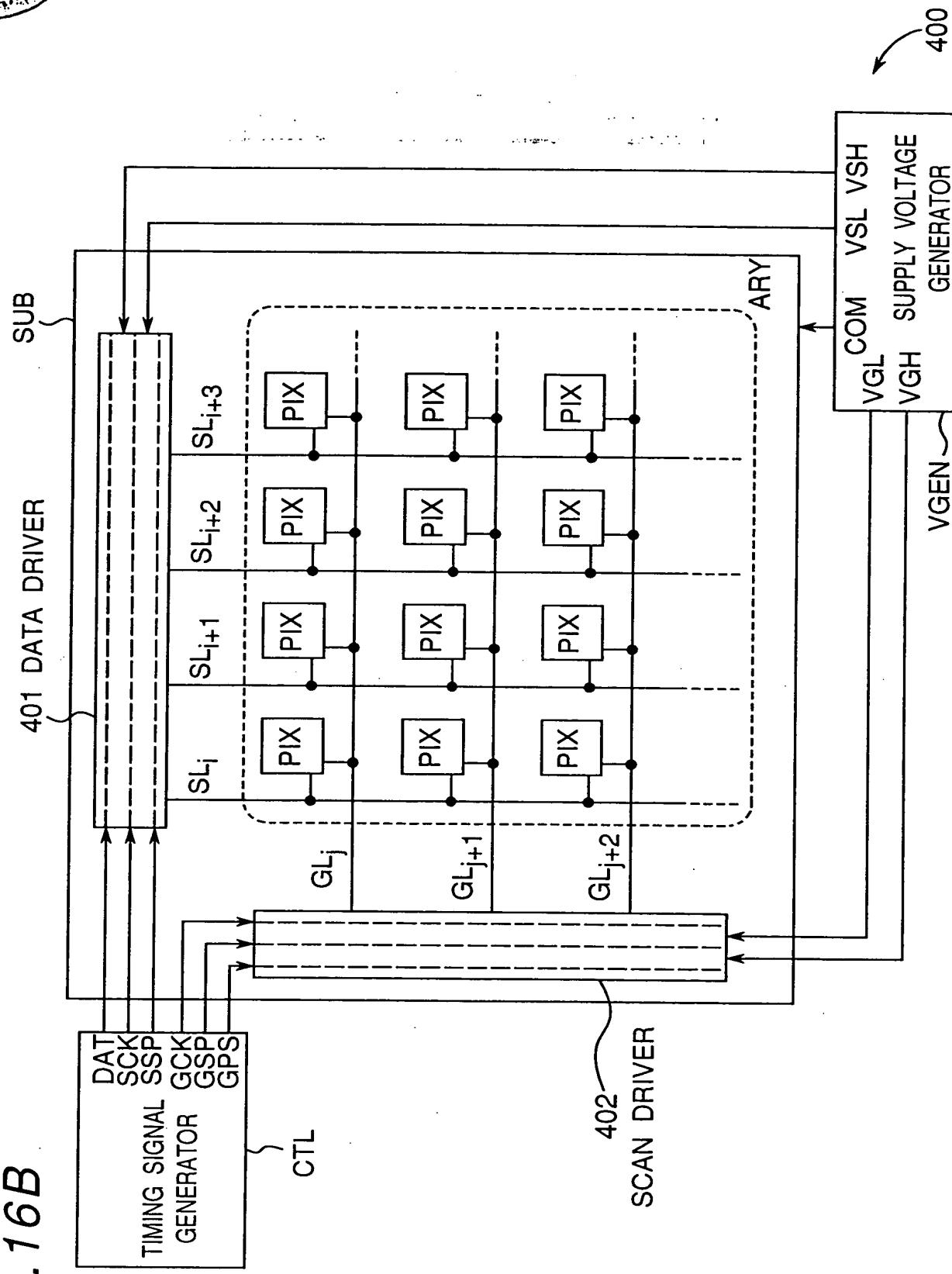




Fig. 17

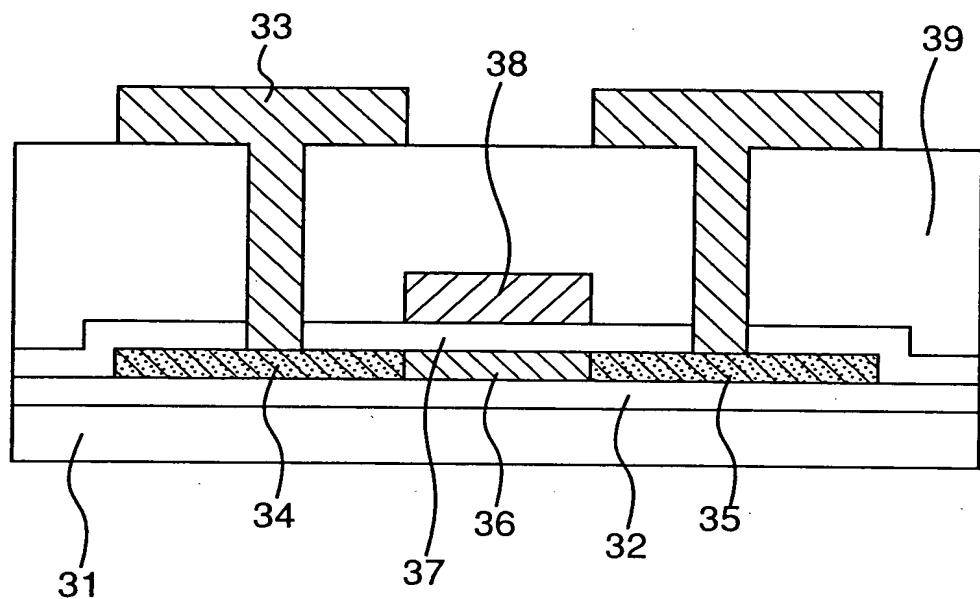




Fig. 18A

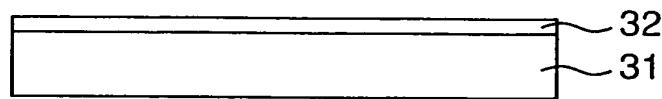


Fig. 18B

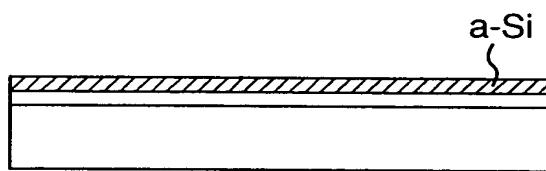


Fig. 18C

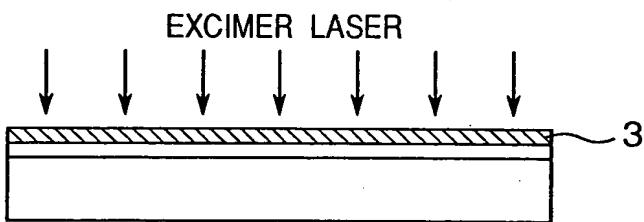


Fig. 18D

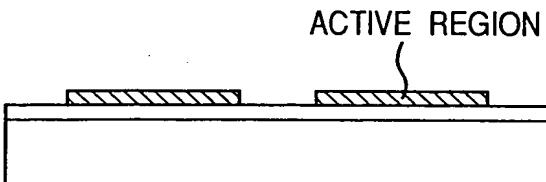




Fig. 18E

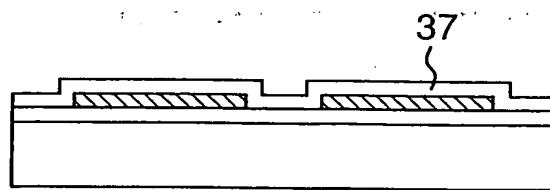


Fig. 18F

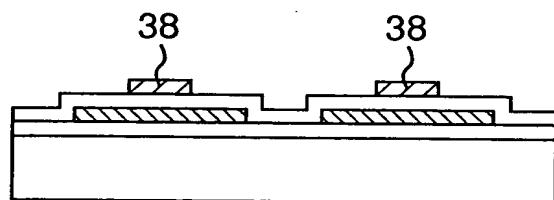


Fig. 18G

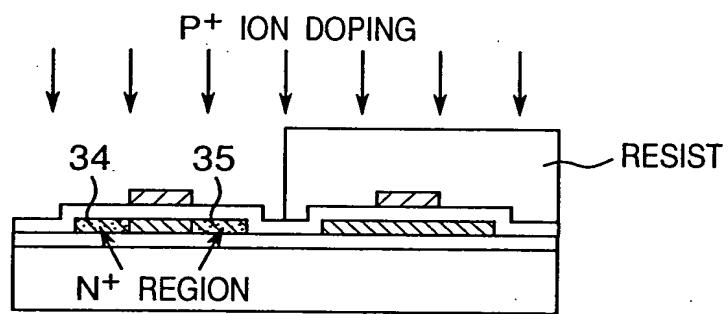


Fig. 18H

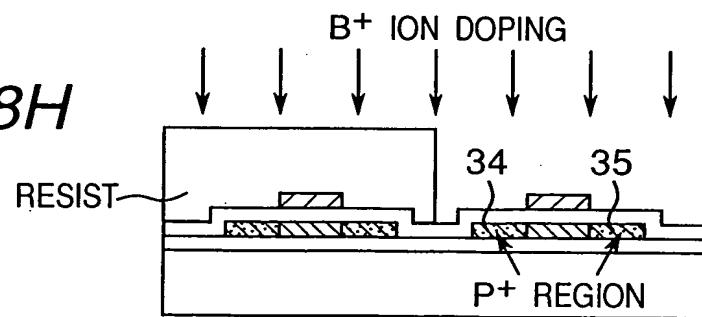




Fig. 18I

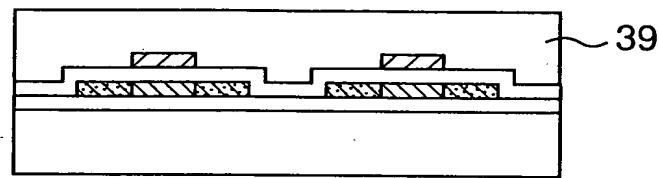


Fig. 18J

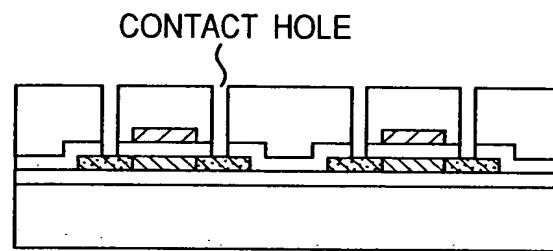


Fig. 18K

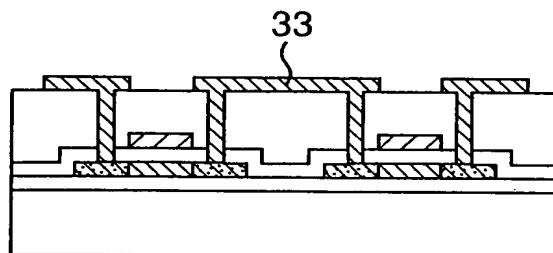


Fig. 19 RELATED ART

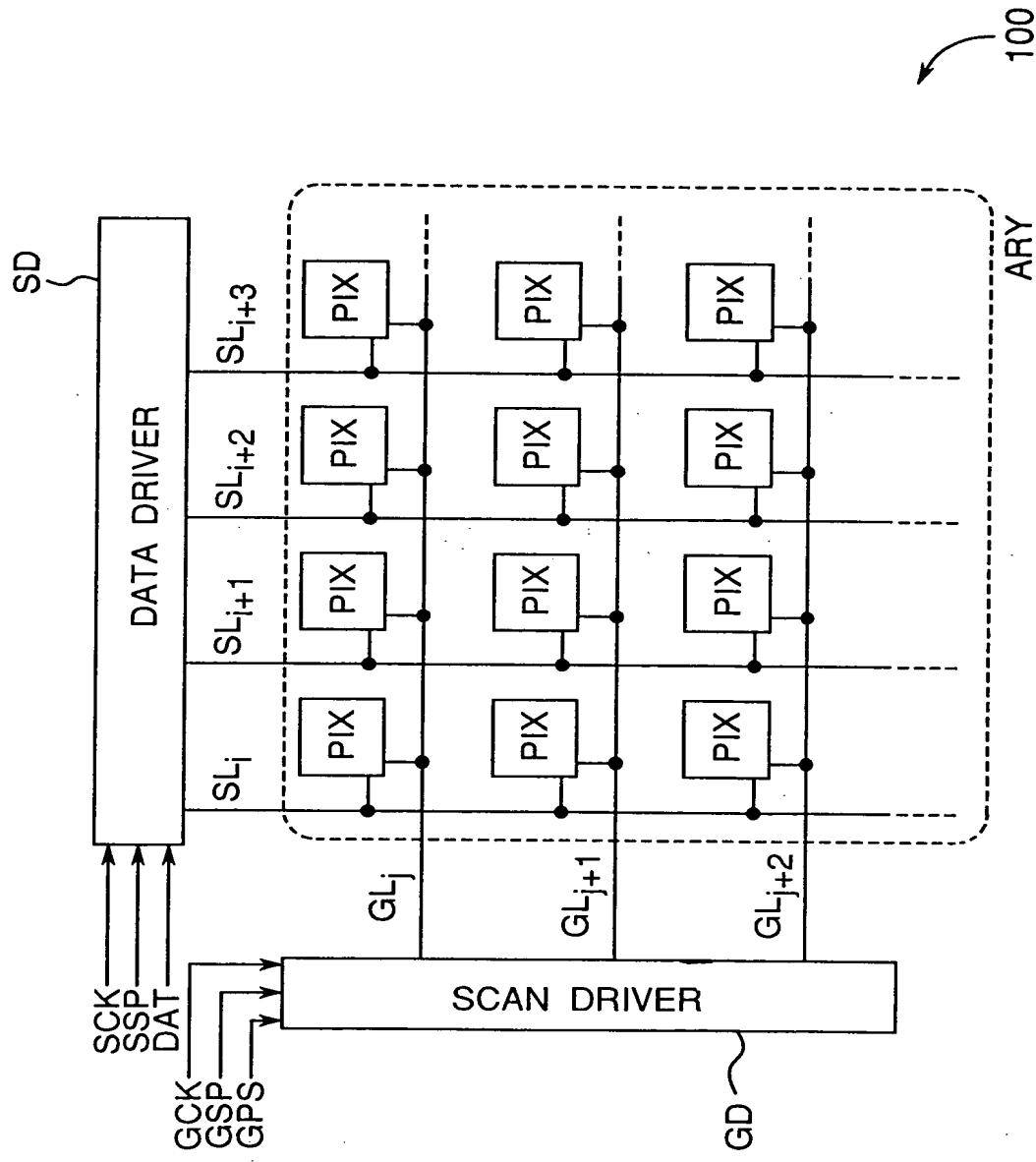




Fig.20 RELATED ART

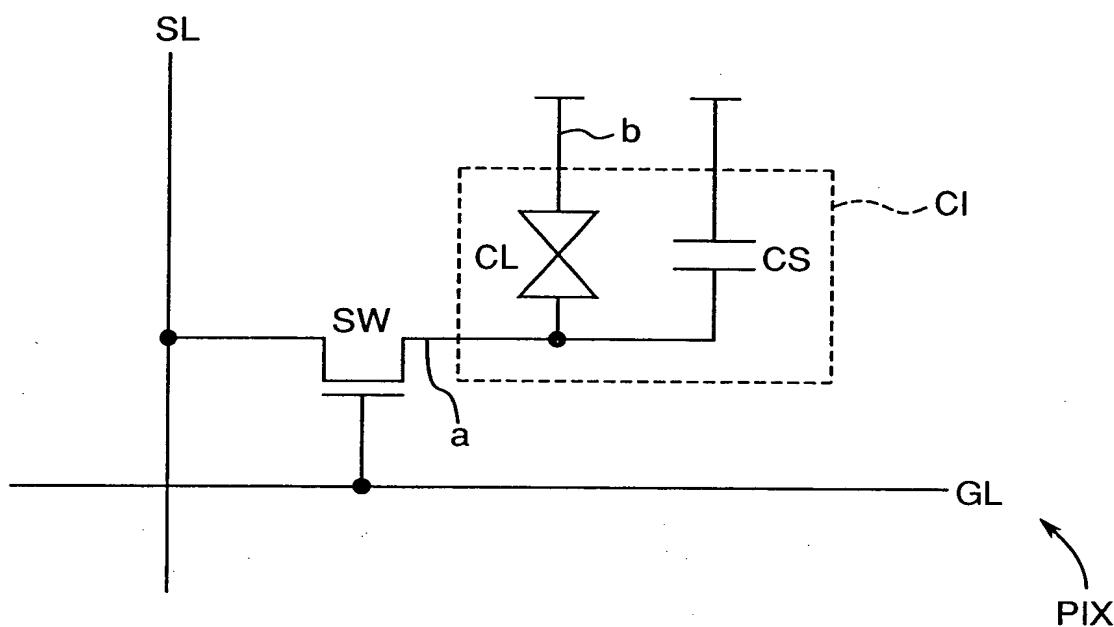




Fig. 21 RELATED ART

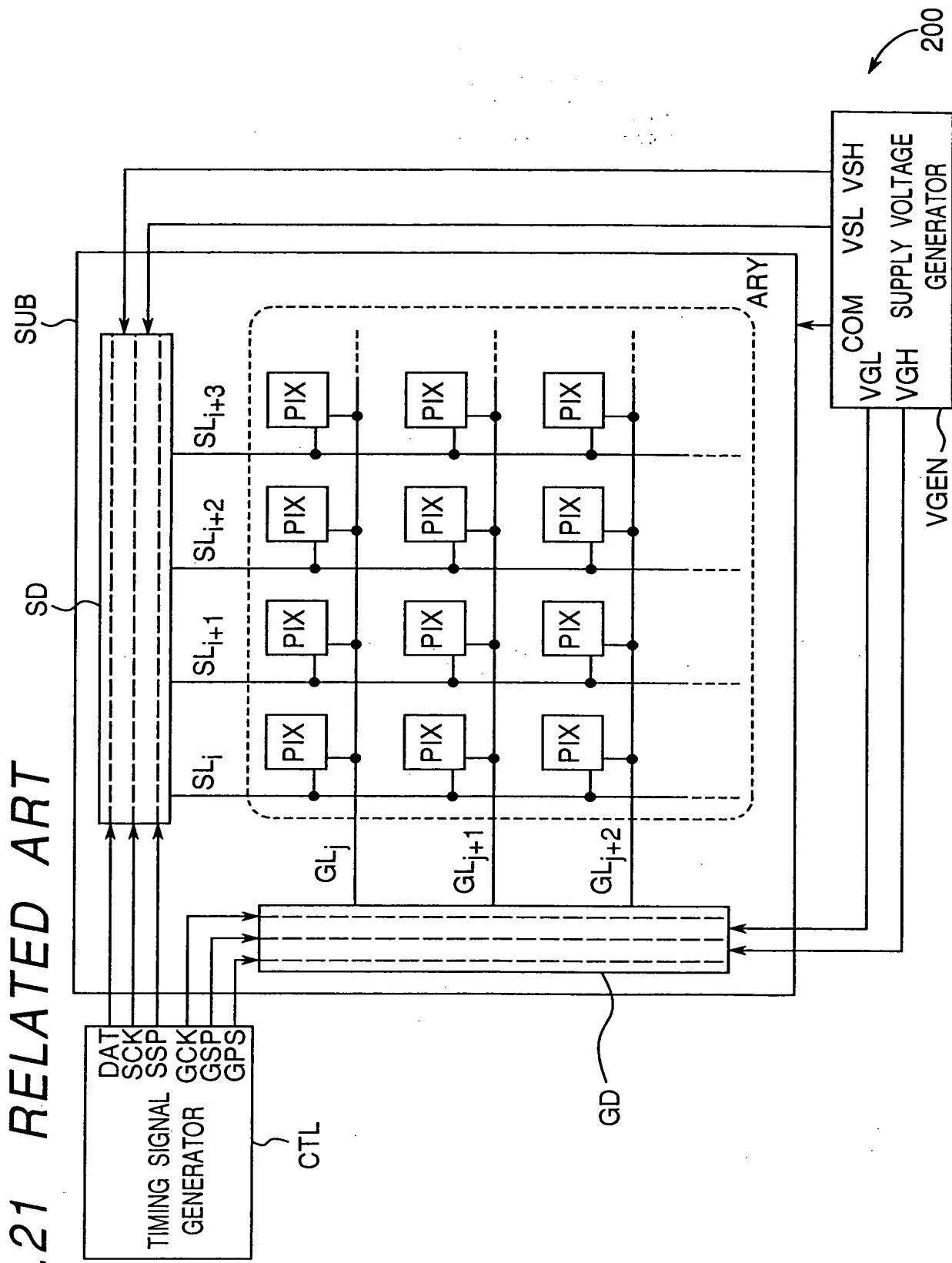




Fig.22 RELATED ART

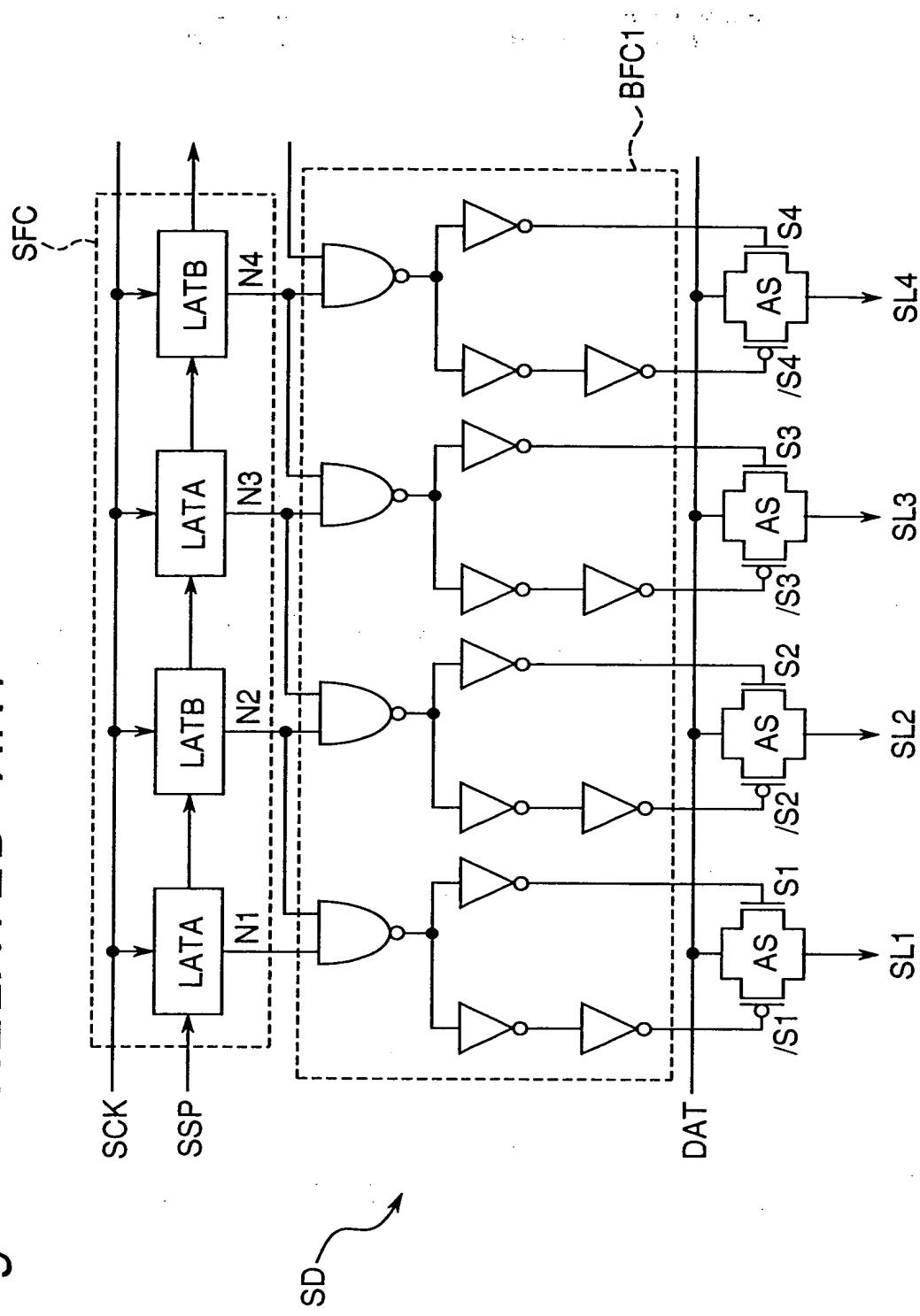


Fig.23 RELATED ART

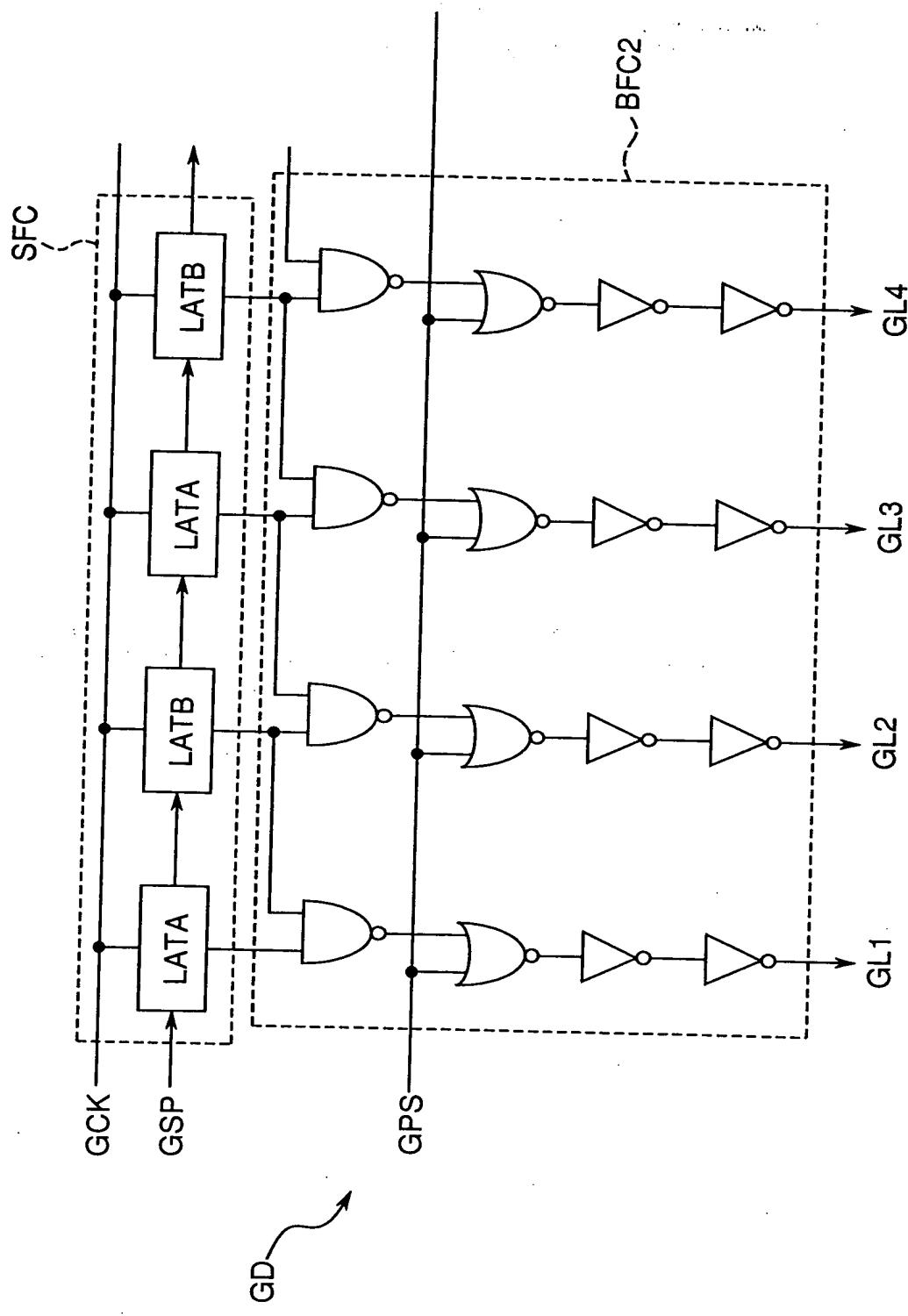


Fig.24 RELATED ART

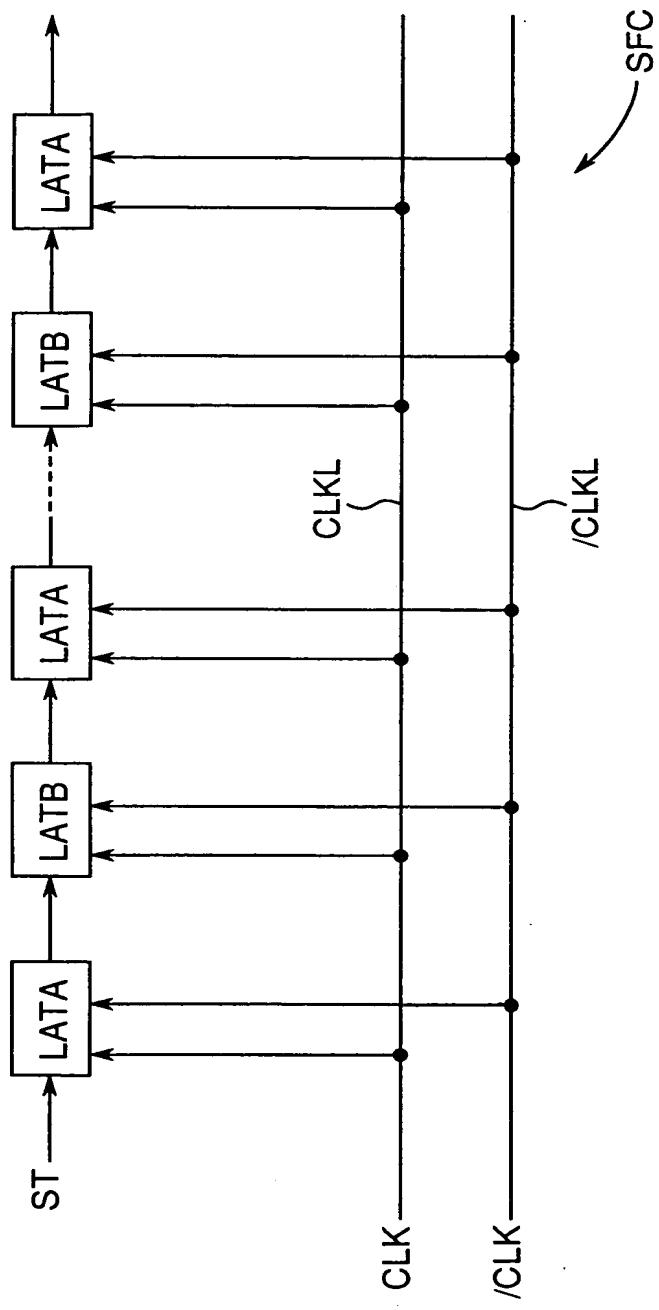




Fig.25A RELATED ART

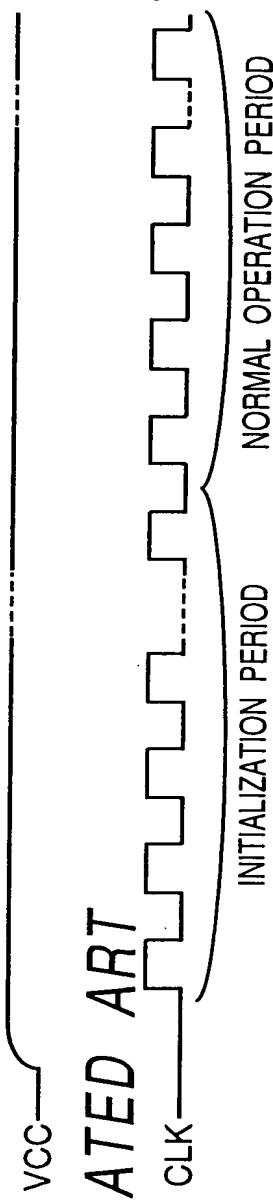


Fig.25B RELATED ART

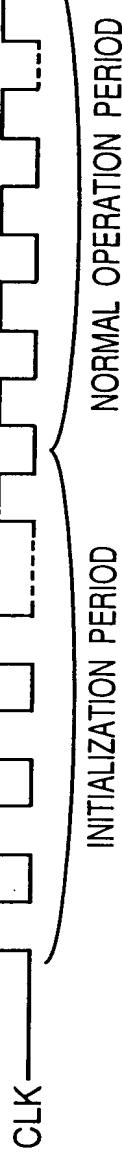




Fig.26 RELATED ART

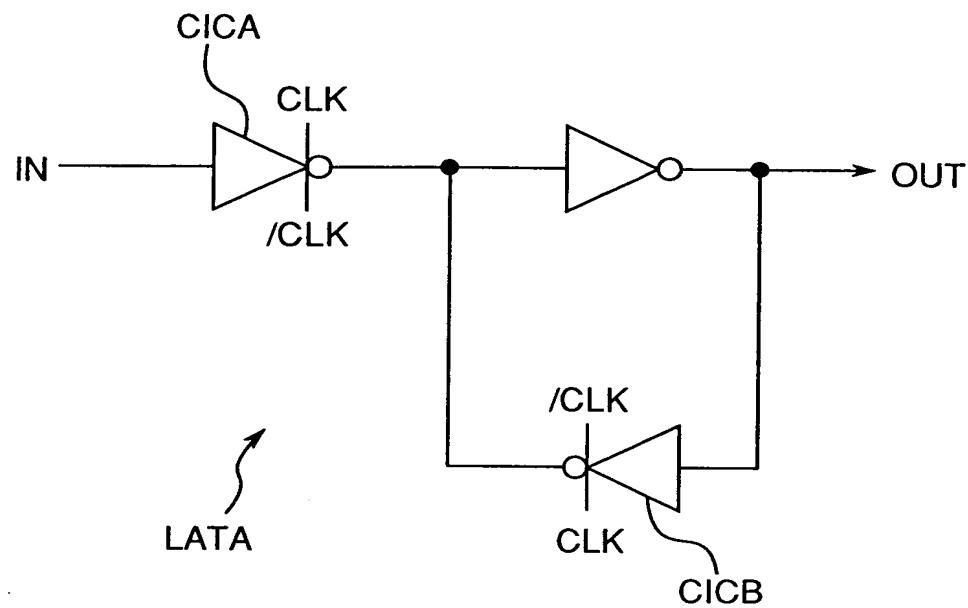


Fig.27 RELATED ART

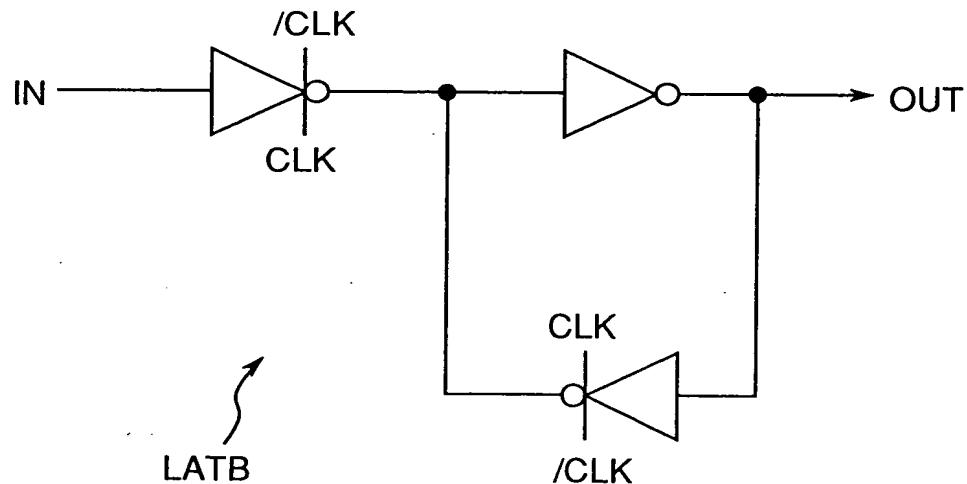




Fig.28 RELATED ART

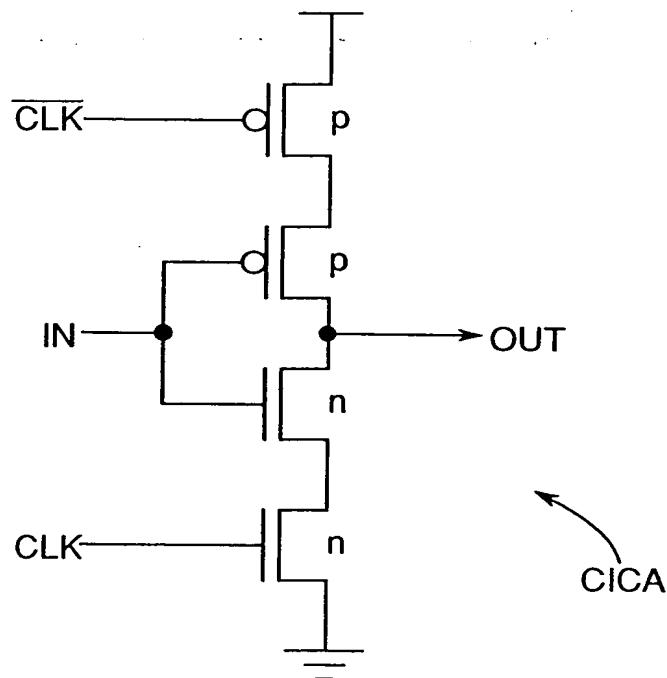


Fig.29 RELATED ART

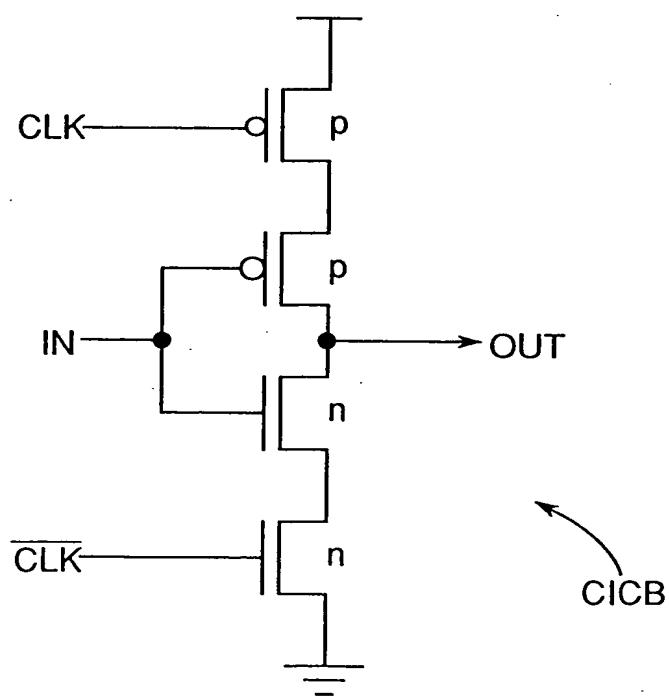




Fig. 30A

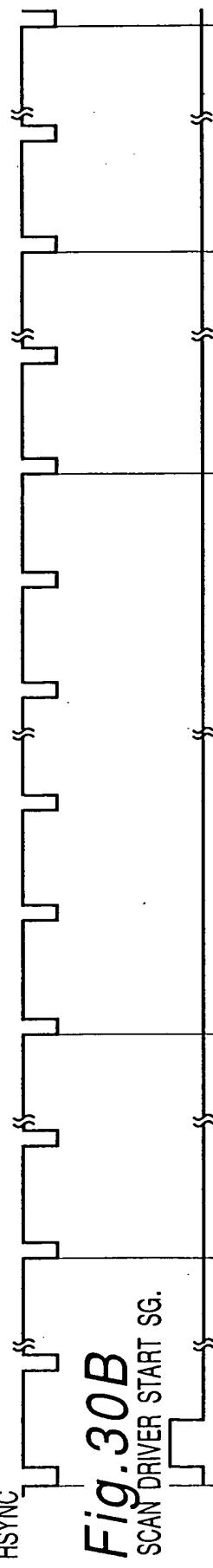


Fig. 30B
SCAN DRIVER START SG.

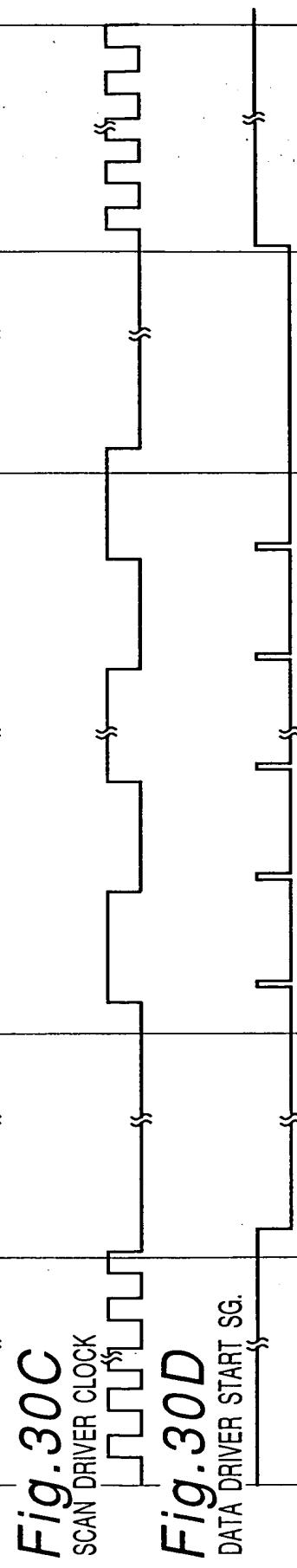


Fig. 30C
SCAN DRIVER CLOCK

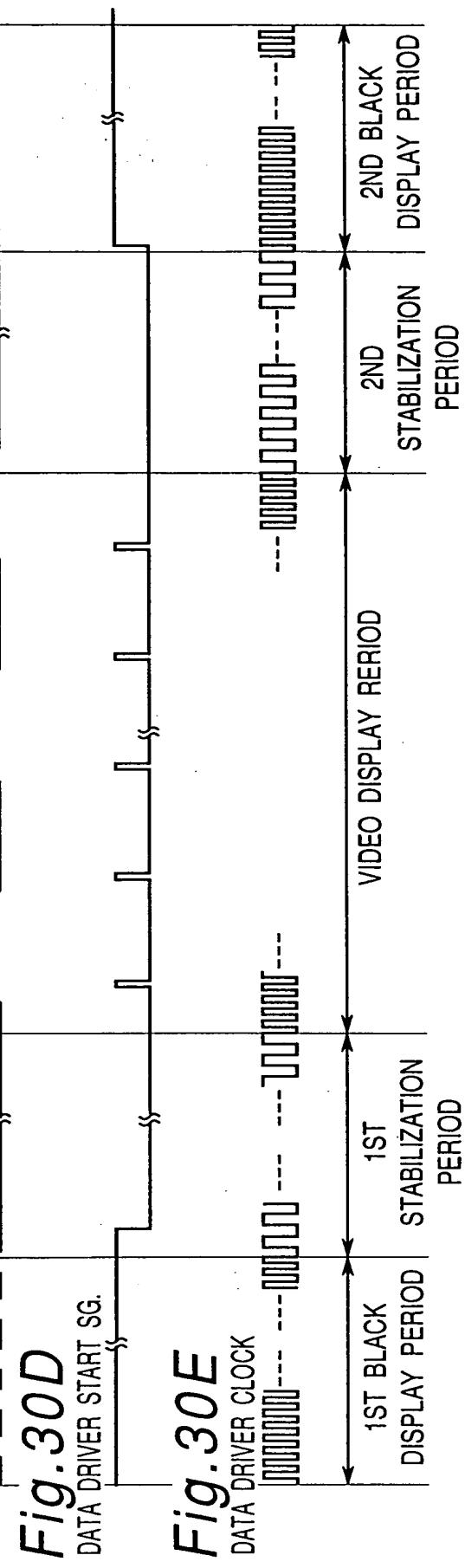


Fig. 30D
DATA DRIVER START SG.

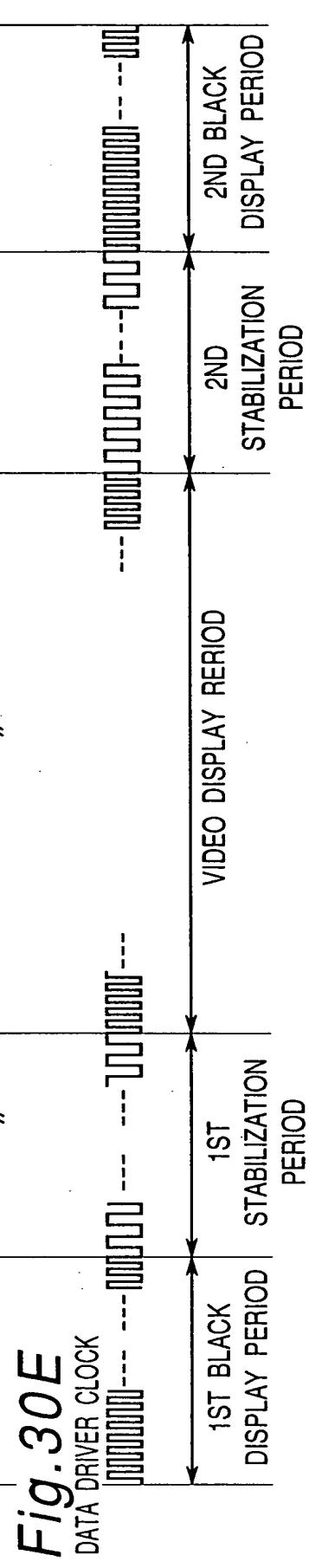


Fig. 30E
DATA DRIVER CLOCK



Fig.31A

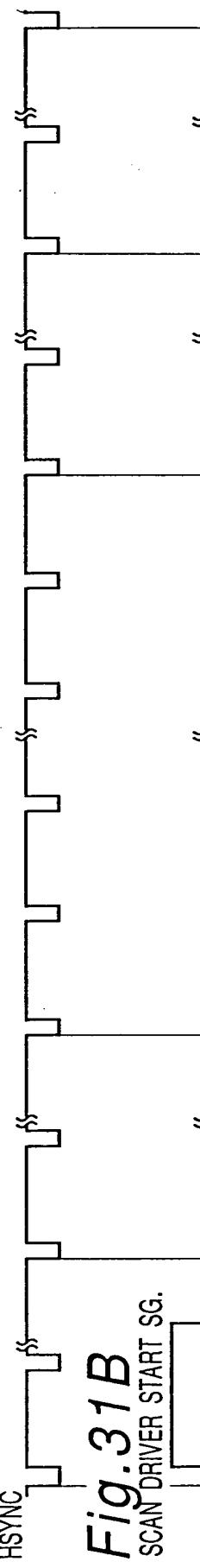


Fig.31B
SCAN DRIVER START SG.

Fig.31C

SCAN DRIVER CLOCK

Fig.31D

DATA DRIVER START SG.

Fig.31E

DATA DRIVER CLOCK

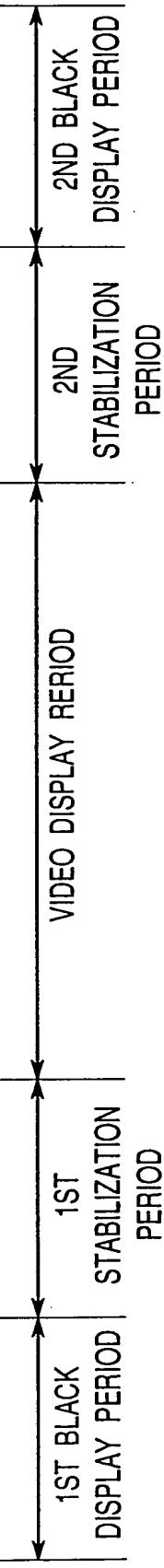
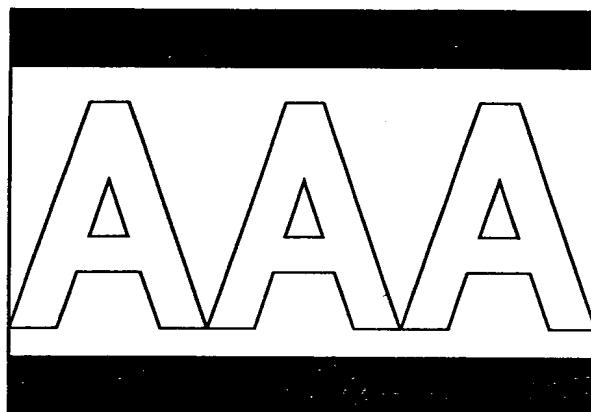




Fig.32 RELATED ART



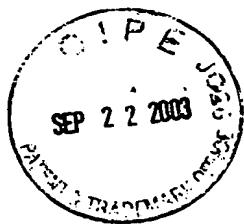


Fig.33A RELATED ART

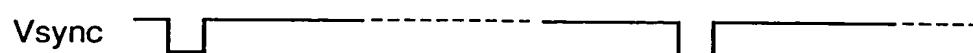


Fig.33B RELATED ART

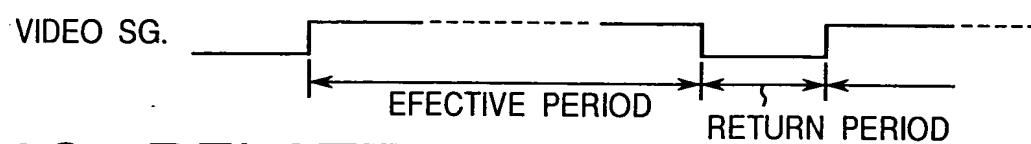


Fig.33C RELATED ART

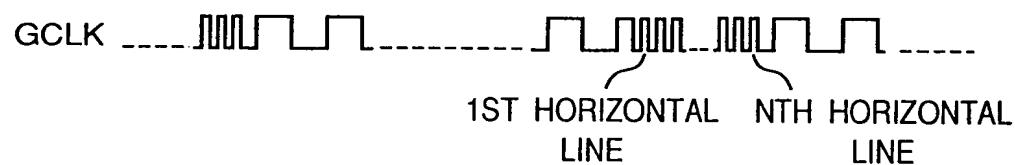


Fig.34 RELATED ART

